



PTO/SB/17 (12-04v2)

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Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

## FEE TRANSMITTAL For FY 2005

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$)  
**0.00**

### Complete if Known

Application Number	10/082,081
Filing Date	02/26/2003
First Named Inventor	Chulhee Lee
Examiner Name	Dave Czekaj
Art Unit	2613
Attorney Docket No.	

### METHOD OF PAYMENT (check all that apply)

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### FEE CALCULATION

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		<b>Fees Paid (\$)</b>
	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	
Utility	300	150	500	250	200	100	0
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

#### 2. EXCESS CLAIM FEES

##### Fee Description

Each claim over 20 (including Reissues)

##### Small Entity

Fee (\$) Fee (\$)

50 25

Each independent claim over 3 (including Reissues)

200 100

Multiple dependent claims

360 180

##### Total Claims

Extra Claims Fee (\$) Fee Paid (\$)

4 - 20 or HP = 0 x    = 0

##### Multiple Dependent Claims

Fee (\$) Fee Paid (\$)

HP = highest number of total claims paid for, if greater than 20.

##### Indep. Claims

Extra Claims Fee (\$) Fee Paid (\$)

3 - 3 or HP = 0 x    = 0

Fee (\$) Fee Paid (\$)

HP = highest number of independent claims paid for, if greater than 3.

#### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
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   - 100 =    / 50 =    (round up to a whole number) x    = 0

#### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Fees Paid (\$)

0

Other (e.g., late filing surcharge): \_\_\_\_\_

### SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	Telephone +82-2-2123-2779
Name (Print/Type)	Chulhee Lee		Date Nov. 23, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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1 Inventor: Chulhee Lee  
2 Application No.: 10/082,081 Art Unit: 2613  
3 Filing Date: 02/26/2003 Examiner: Dave Czekaj  
4 Title: Methods for objective measurement of video quality

5 **AMENDMENT A**

6 Commissioner for Patents  
7 P. O. Box 1450  
8 Alexandria, Virginia 22313-1450  
9 USA

10 Sir:

11 In response to the Office Action dated June 28, 2005, please amend the above identified  
12 application as follows:

13 (1) Claims 1,2,4 and 5 were canceled, Claims 3 was withdrawn, and new Claims 6-9 were  
14 added.  
15 (2) Remarks were provided, which show how the newly added Claims 6-9 avoid the  
16 references.  
17 (3) All the cited references relate to coding while the applicant's invention relates to video  
18 quality metric. The Applicant believes that they are completely different. For instance,  
19 video coding is studied in MPEG (Moving Picture Experts Group) and there are a number  
20 of standardized methods, including MPEG2, MPEG4, H.263, H.264, etc. On the other  
21 hand, objective measurement of video quality is a completely different study and has been  
22 studied by a different body. For instance, objective measurement of video quality has been  
23 studied in ITU-R Working Party 6Q, ITU-T Study Group 9, and VQEG (Video Quality  
24 Experts Group). The international standards on objective measurement of video quality  
25 include ITU-T Recommendation J.144 "Objective perceptual video quality techniques for  
26 digital cable television in the presence of a full reference" and ITU-R Recommendation

1 BT.1683 “Objective perceptual video quality measurement techniques for digital broadcast  
2 television in the presence of a full reference”.

3 (4) The applicant finds that the original claims were written in an ambiguous way. In the new  
4 claims, it is clearly stated that they relate to video quality measurement.

5

6 The applicant believes that the Examiner will now find the claims of this application  
7 allowable. Favorable reconsideration of the application is courteously requested.

8 Respectively submitted,

*Oliver L.*

9 Chulhee Lee

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